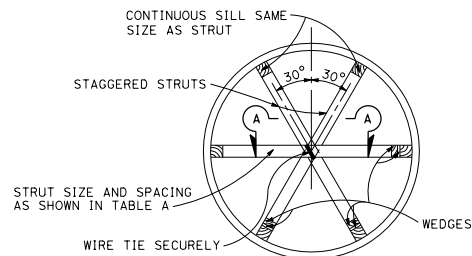
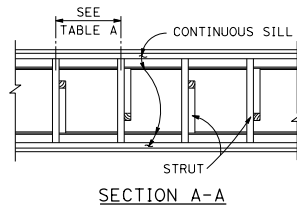


TABLE A

PIPE Dia	STRUT SIZE	HEIGHT OF FILL	
		0 TO 20'-0"	GREATER THAN 20'-0"
240" THRU 252"	8" x 8"	5'-0" SPACING	3'-0" SPACING
	10" x 10"	8'-0" SPACING	4'-6" SPACING

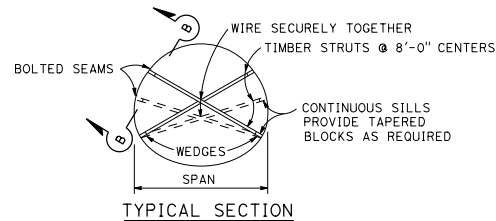
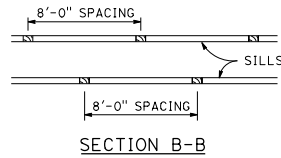
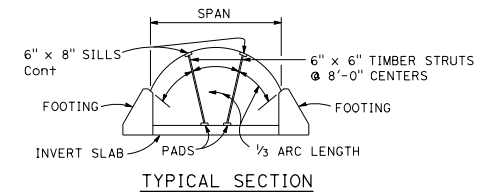


STRUCTURAL STEEL PLATE PIPES

TABLE B

SPAN	STRUT SIZE	SILL SIZE
13'-2" - 15'-6"	4" x 4"	4" x 6"
15'-9" - 17'-3"	4" x 4"	4" x 8"
Over 17'-3"	6" x 6"	6" x 8"

Tabular data in Table B based on 6" x 2" corrugations, (Structural steel plate).

STRUCTURAL STEEL PLATE
VEHICULAR UNDERCROSSING

STRUCTURAL STEEL PLATE ARCHES

Struts required when span of structural steel plate arch exceeds 18'-0" pad size as directed by Engineer.

NOTES:

1. Struts shown are minimum required during construction when construction vehicle loading exceeds 32 kip/axle, and minimum cover is less than that shown for metal culverts in the table on Standard Plan D88.
2. Backfill shall be brought up uniformly on both sides of the structure.
3. For minimum cover over structure for construction loads, see Standard Plan D88.
4. Strut all situations where overfill is removed in an unbalanced manner.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**STRUT DETAILS FOR
STRUCTURAL STEEL PIPES,
ARCHES AND
VEHICULAR UNDERCROSSING**

NO SCALE

D88A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 31, 2018

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
Carl M. Ryan
No. C59976
Exp. 6-30-18
CIVIL
STATE OF CALIFORNIA